

## ***Project Summary and Justification***

**Department** Lincoln Electric System  
**Division**

### **Summary**

Lincoln Electric System is submitting a Capital Improvement Program for 2001 - 2007<sup>1</sup> that will:

- Extend electric service to 10,500 new customers,
- Increase size of service for 6,000 existing customers,
- Serve 115,000 kilowatts of new electric load, and
- Replace obsolete and deteriorated facilities.

We project that the normal weather peak system demand will increase from 718,000 kilowatts in 2001 to 833,000 kilowatts in 2007. This increase of 115,000 KW represents an effective annual growth rate of 2.1% over the six-year period. Net customer growth will average 1,750 new customers per year through this six-year plan.

The 2001 - 2007 Capital Improvement Program includes \$432,891,000 in capital improvements to continue to provide economical and reliable electric service to our customers.

### **HIGHLIGHTS of the 2001 - 2007 CIP:**

#### **Norris P.P.D. Service Area Adjustment**

This item provides for adjustments to LES service territory in accordance with joint planning efforts with Norris Public Power District. Norris Public Power District and LES have entered into an agreement to do joint planning in an area surrounding Lincoln and to adjust the service area, as required, to provide for LES service to the growing Lincoln area. The \$9,750,000 investment shown in this plan will provide for purchasing facilities from Norris and for extending distribution circuits to serve LES and Norris customers in the joint planning area.

### **TRANSMISSION LINES**

#### **Project 4      115kV Transmission Rebuild: Rokeby - 20th & Pioneers**

Rebuild approximately 5.5 miles of existing 115kV line from the Rokeby Substation near SW 12th & Denton Rd. to the 20th & Pioneers 115kV Substation. This line is being upgraded to provide additional capacity for bringing power generated at Rokeby Station to Lincoln.

#### **Project 5      115kV Transmission Line: 19th & Alvo - NW 12th & Arbor**

Install 3.5 miles of 115kV transmission line from the existing 19th & Alvo Substation to a proposed substation near NW 12th & Arbor. About 2 miles of this line will be constructed to accommodate a proposed 345kV line (345kV Regional Tie) in addition to the 115kV line.

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<sup>1</sup>The 2001-2007 CIP covers 2002 to 2007 for LES. The LES fiscal year coincides with the calendar year. For example, on Forms A & B, 2001-2002 is 2002 for LES.

## ***Project Summary and Justification (Continued)***

**Department** Lincoln Electric System  
**Division**

### **Project 6      115kV Transmission Line: SVGS Relocation/Connections**

This project will relocate a portion of the existing 70<sup>th</sup> & Bluff to 84<sup>th</sup> & Fletcher 115kV line and tie into the proposed Salt Valley Generating Station. We will also connect to the existing 70<sup>th</sup> & Bluff to Waverly 115kV line for connections to SVGS.

### **Project 7      115kV Transmission Rebuild/Upgrade: Sheldon - Rokeby**

Rebuild and upgrade about 10 miles of old, 115kV transmission line from the existing Sheldon Substation (Hallam, NE) to the existing substation at Rokeby Generating Station.

### **Project 9      115kV Transmission Line: NW 12th & Arbor – NW 68th & Holdrege**

Install about 8 miles of 115kV transmission line from the existing NW 68<sup>th</sup> & Holdrege Substation to a proposed substation near NW 12th & Arbor.

### **Project 11     345kV Transmission Line: Regional Tie**

Install approximately 25 miles of 345kV line from the Wagener Substation (128<sup>th</sup> & Adams) to the NW 68th & Holdrege Substation. This line will complete a loop to NW 68th & Holdrege Substation and is an essential element in developing the 345kV bulk transmission network. Its timing is based on the need for a second 345-115kV transformer at NW 68th & Holdrege Substation. The second transformer requires another 345kV source to meet reliability criteria. The first 5 miles, from 128<sup>th</sup> & Adams to 120<sup>th</sup> & Hwy 6 is complete. About 2 miles will be completed in conjunction with the 19<sup>th</sup> & Alvo – NW 12<sup>th</sup> & Arbor 115kV project. The remaining portions of the line will be built during this six-year period.

### **Transmission Line Fiber Optics/Communication**

We will continue to add communication fibers to existing lines or to new lines.

## **SUBSTATIONS**

### **Project 14     UNL East Campus Substation**

The proposed UNL Substation near 36th & Merrill will provide 4kV service to the University of Nebraska East Campus from an existing LES 35kV transmission line.

### **Project 15     Salt Valley Generating Station Substation**

Build a new switching substation to provide connections from the new generators at Salt Valley Generating Station to the transmission grid.

***Project Summary and Justification (Continued)***

**Department** Lincoln Electric System  
**Division**

**Project 16      70th & Calvert Substation Upgrade**

Replace six obsolete 115kV oil circuit breakers with modern breakers and relaying.

**Project 17      84th & Leighton Substation Rebuild & Transformer**

This project will upgrade the 115kV and 35kV sections of the 84th & Leighton Substation. We will replace three existing 35-12kV transformers (total capacity of 28 MVA) with a 115-12kV 39 MVA transformer. We will replace an older 115-35kV transformer. Load growth associated with the North 84th Street subarea will require additional substation capacity at this location.

**Project 18      UNL Substation**

The proposed UNL Substation near 14th & Avery Road will provide service to the University of Nebraska directly from an LES 115kV transmission line. This will provide a needed additional capacity to support growth on city campus.

**Project 19      West Lincoln Substation 115kV Rebuild**

Rebuild existing 115kV section of this substation and replace a 115-35kV transformer. This is one of the oldest substations in the system and needs to be upgraded to maintain safe and reliable service.

**Project 20      85<sup>th</sup> & Highway 2 Substation**

Build a new 115-12kV, 39MVA substation on an existing substation site near 84th & Highway 2. The area east of 84th from Pioneers – Pine Lake is currently being developed primarily as residential (Vintage Heights, HiMark Estates). Continued load growth in this area and proposed commercial development between 84th to 84th, Pine Lake to Highway 2 in the current land use plan will require an additional substation transformer at this location.

**Project 21      27<sup>th</sup> & Pine Lake Substation, Transformer #2**

Add a second 115-12kV, 39MVA transformer to the existing substation at 27th & Pine Lake. Continued growth in this area and the addition of the S1/S2 subareas (27th & Rokeby) will require an additional substation transformer at this location.

**Project 22      NW 12<sup>th</sup> & Arbor Substation**

Build a new 115-12kV substation near NW 12th & Alvo. This substation replaces the 4th & Morton Upgrade from the last CIP. Continued growth in this area and development in the Lynn Creek and North Lynn Creek subareas (Fallbrook) and Kawasaki are better served from a new substation at this location.

## ***Project Summary and Justification (Continued)***

**Department** Lincoln Electric System  
**Division**

### **Project 23 19<sup>th</sup> & Alvo Substation: Add Transformer**

Add a 115-12kV transformer and switchgear at the existing 19<sup>th</sup> & Alvo substation. Continued growth and development in the area require additional substation transformer capacity at this location.

### **Project 24 56<sup>th</sup> & I80 Substation**

Build a new 115-12kV substation near 56th Street and Interstate 80. Continued growth in this area and development in north Lincoln (N1/N2 subareas) will require a new substation at this location.

### **Project 25 3<sup>rd</sup> & Van Dorn Substation, Transformer #2**

Add a second 115-12kV, 39MVA transformer to the existing substation at 3<sup>rd</sup> & Van Dorn. Continued growth in this area will require an additional substation transformer at this location.

### **Project 27 70<sup>th</sup> & Bluff Substation, Replace Transformer**

Replace the existing 161-115kV, 100MVA transformer at 70th & Bluff with a 200MVA transformer. The larger transformer is required to provide additional inlet capacity from OPPD's 161kV line to ensure reliable service for the growing electric needs of the City of Lincoln.

### **Project 28 NW 68<sup>th</sup> & Holdrege Substation, Transformer #2**

Add a second 345-115kV, 336MVA transformer to the existing substation at NW 68th & Holdrege. The second transformer is required to provide additional inlet capacity to ensure reliable service for the growing electric needs of the City of Lincoln.

## **STREET LIGHTS**

We are proposing \$12,337,000 for street light capital construction projects in this six-year plan. Approximately 700 (net) new street lights per year will be added within the city limits. Many of these lighting projects are required by street and highway construction during this period. LES coordinates the arterial lighting schedule with the Department of Public Works.

## **POWER SUPPLY**

### **Project 51 Laramie River Station**

This item represents LES' share of anticipated annual capital expenditures for the Laramie River Station. The Laramie River facility consistently ranks among the lowest operating cost generating stations in the United States. This performance record is a result of efficient and effective design and the continued review and upgrade of facility systems. The Project's facilities are in good condition and in compliance with

## ***Project Summary and Justification (Continued)***

**Department** Lincoln Electric System

### **Division**

environmental and other regulatory requirements. However, after nearly 20 years the system is beginning to age. This fact, coupled with technological advances, is cause for additional investments in the Project. A number of significant plant improvements are scheduled for the 2002 through 2007 time frame. These include boiler tubing repair and replacements for Units 2 and 3, upgrade of the sulphur dioxide scrubber, coal handling facility modifications, switchgear upgrades and water treatment system improvements. A significant increase in the proposed capital budget may be required in the future if the EPA mandates reductions in mercury emissions, which will require construction of "bag houses". These construction activities are of significant size and will provide a long term impact on the continued high performance of this generating resource.

### **Project 52 Local Generation (Misc. Modifications)**

The purpose of this item is to provide for local generation capital requirements imposed by changing regulatory requirements. In addition, the item enables implementation of projects to extend generating unit life as maintenance efforts require replacement of aging systems and components.

### **Project 53 Salt Valley Generating Station (SVGS)**

With the uncertainty of other regional power projects, the growing electric needs of Lincoln has required the development of a new generating site in the Lincoln service area. This item provides for the site development and installation of a natural gas fired combined cycle facility. A combined cycle (CC) unit combines a conventional combustion turbine (CT) with a heat recovery boiler and steam generator. By utilizing the waste heat from the CT to produce steam an improved cycle efficiency is obtained. The first CC unit on this new site will be made up of two CT's, two heat recovery boilers and one steam generator for a nominal rating of approximately 120 MW. The site has been acquired and initial contracts for site preparation and combustion turbines have been awarded. The unit would be targeted for a late 2003 commercial operation.

### **Project 54 Salt Valley No. 4**

This project includes the construction of a simple cycle combustion turbine with dual fuel natural gas and oil firing capability located at the SVGS site. The unit would be constructed for a commercial operation date in the early 2004 time frame and would have an expected nominal output of approximately 44 MW. The unit in combination with the combined cycle facility is required to meet increasing load growth in the LES service area.

***Project Summary and Justification (Continued)***

**Department** Lincoln Electric System  
**Division**

**Project 55 Peaking Turbine No. 6 (Salt Valley No. 5)**

This project includes construction of LES' sixth combustion turbine for peak load service. This unit, along with the identical 44 MW Salt Valley No. 4 to be installed in 2004, provides the appropriate capacity resources in the correct time frame to meet the continuously growing Lincoln electrical load. LES has received proposals for optional turbine purchases under the original SVGS Combustion Turbine contract. In the event that the LES Cooper contract is extended beyond 2003 LES would reevaluate the need and or timing for this peaking turbine addition.

**Project 56 LES Renewable Project No. 3**

Construct an additional renewable project under the LES Renewable Energy Program. The project may be a landfill gas project developed jointly with Public Works or an additional wind turbine at an undetermined location.

**Project 56 LES Renewable Project No. 4**

Construct an additional wind turbine generator at a to be determined location under LES' Renewable Energy Program. While LES would provide initial funding, the amortization of construction and operation costs would be accomplished by a monthly contribution from LES customers who would elect to participate. The project is contingent on receiving commitments from sufficient LES customer participants to build a facility.

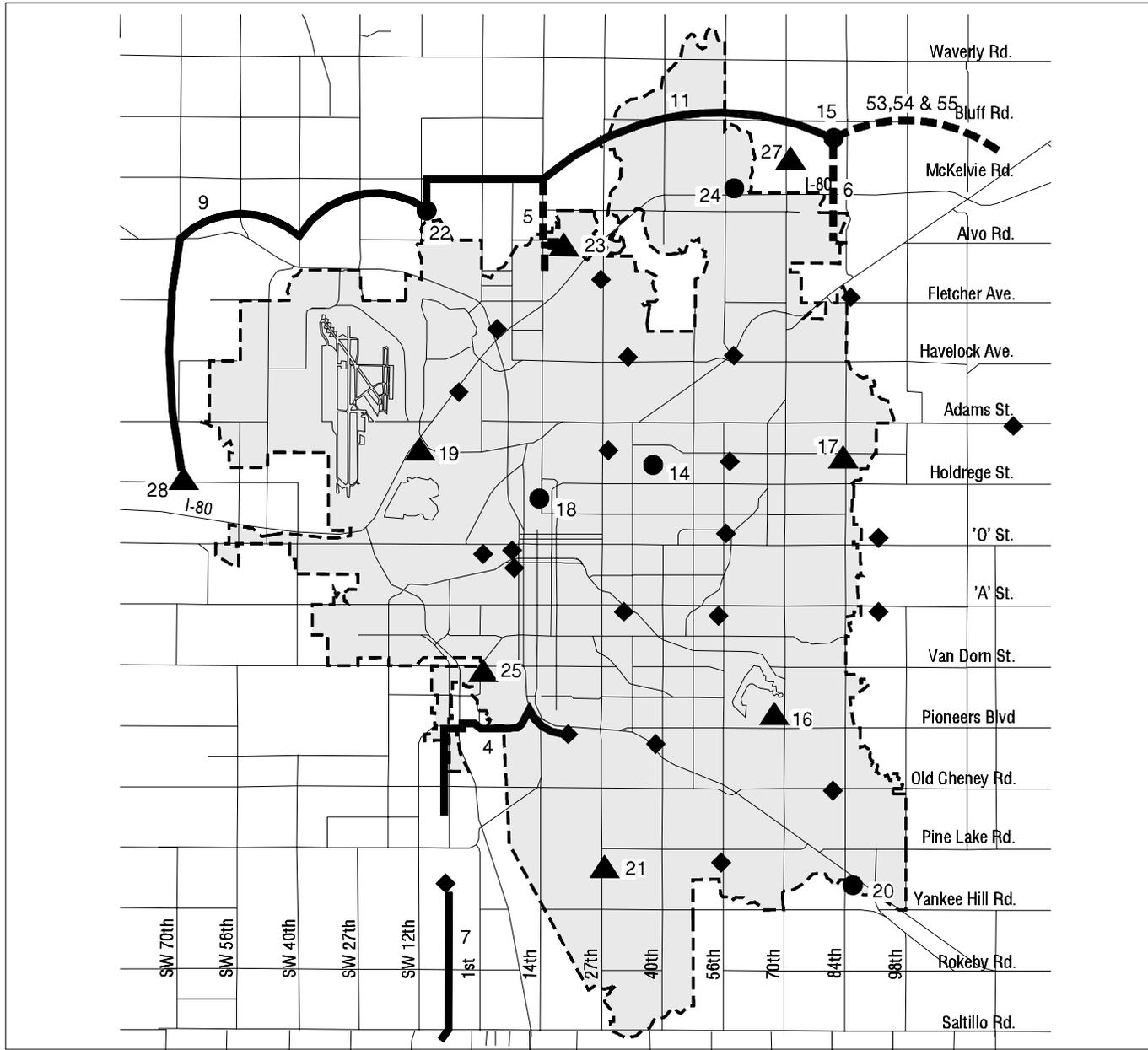
**Project 57 Iatan Power Project (Regional Coal)**

This capital item represents a 150 MW ownership share of a 700 MW generating unit to be constructed at an existing plant site about halfway between St. Joseph, Missouri and Kansas City, Missouri. LES plans to receive 90 MW of the 150 MW total in 2008 and the remaining 60 MW in 2011. The project has been approved by the Nebraska Power Review Board. This capacity will be used to serve the growing needs of Lincoln and would be the first base load capacity added to LES' resources since Laramie River Station was placed in commercial operation in the early 1980's.

# Lincoln CIP 2001 - 2007

# L.E.S.

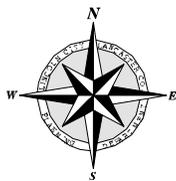
NOTE: Location of future facilities is approximate. Actual locations will be determined through routing studies.



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## Lincoln Future Service Limit Shown as Grey

Map prepared by  
City - Co. Planning Dept  
GIS Section



M I L E S



- ▲ Proposed Substation Changes
- Proposed Substation
- ◆ Existing Substation
- Proposed Transmission Change
- - - Proposed Transmission Line
- 22 Project Number

**List of Projects**Department: *Lincoln Electric System*

Project Number	Project Title
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**TRANSMISSION:**

- |      |  |
|------|--|
| (1)  | 35kV: New Construction                                       |
| (2)  | 35kV: Rebuild/Other  |
| (3)  | 35kV: Relocation   |
| 4    | 115kV: Rokeby – 20 <sup>th</sup> & Pioneers                  |
| 5    | 115kV: 19 <sup>th</sup> & Alvo – NW 12 <sup>th</sup> & Arbor |
| 6    | 115kV: SVGS Relocation/Connections                           |
| 7    | 115kV: Sheldon - Rokeby                                      |
| (8)  | 115kV: Miscellaneous Construction/Rebuild                    |
| 9    | 115kV: NW12th & Arbor – NW 68 <sup>th</sup> & Holdrege       |
| (10) | 115kV: Communication   |
| 11   | 345kV: Regional Tie  |
| (12) | 345kV: Other   |

**SUBSTATION:**

- |      |  |
|------|--|
| (13) | 35kV: Substation Miscellaneous Construction/Rebuild      |
| 14   | 35kV: UNL East Campus Substation                         |
| 15   | 115kV: SVGS Substation                                   |
| 16   | 115kV: 70 <sup>th</sup> & Calvert: Replace Breakers      |
| 17   | 115kV: 84 <sup>th</sup> & Leighton Rebuild & Transformer |
| 18   | 115kV: UNL Substation                                    |
| 19   | 115kV: W Lincoln Rebuild & Transformer 1                 |
| 20   | 115kV: 85 <sup>th</sup> & Hwy 2 Substation               |
| 21   | 115kV: 27 <sup>th</sup> & Pine Lake #2                   |
| 22   | 115kV: NW 12 <sup>th</sup> & Arbor Substation            |
| 23   | 115kV: 19 <sup>th</sup> & Alvo - Add Transformer 1       |
| 24   | 115kV: 56 <sup>th</sup> & 180 Substation                 |
| 25   | 115kV: 3 <sup>rd</sup> & Van Dorn #2                     |
| (26) | 115kV: Miscellaneous Substation Construction/Rebuild     |
| 27   | 161kV: 70 <sup>th</sup> & Bluff – Replace T691           |
| 28   | 345kV: NW 68 & Holdrege Add Transformer                  |
| (29) | 345kV: Miscellaneous Substation Construction/Rebuild     |

**DISTRIBUTION**

- |           |                          |
|-----------|--------------------------|
| (30 - 36) | Overhead Construction    |
| (37 - 41) | Underground Construction |

**WAVERLY & STREET LIGHT**

- |           |   |
|-----------|---|
| (42 - 44) | Waverly Distribution & Streetlight  |
| (45 -50)  | New Construction, Ornamental Lighting Districts, Joint Traffic Signal, Rebuild, Relocation, and Other |

**POWER SUPPLY**

- |      |                                    |
|------|------------------------------------|
| (51) | Laramie River Station              |
| (52) | Miscellaneous Modifications        |
| 53   | Salt Valley Combined Cycle         |
| 54   | Salt Valley Unit #4                |
| 55   | Peaking Unit No. 6                 |
| (56) | Renewable Projects No. 3 and No. 4 |
| (57) | Iatan Power Plant                  |

\*Project number in parenthesis indicates project is not shown on the map.

2001 - 2007 CAPITAL IMPROVEMENT PROGRAM

DIVISION: Summary

(1)	(2)	(3)	5% Inflation per year (4)							
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)							
			2001-2002 FS	2002-2003 FS	2003-2004 FS	2004-2005 FS	2005-2006 FS	2006-2007 FS		
	Transmission		5,483.0	5,268.0	15,251.0	13,070.0	811.0	4,624.0		
	Substation		8,552.0	4,287.0	4,383.0	4,057.0	9,075.0	5,878.0		
	Overhead		3,726.0	3,855.0	3,955.0	4,058.0	4,184.0	4,317.0		
	Underground		8,767.0	9,408.0	10,119.0	10,969.0	11,708.0	12,460.0		
	Waverly		38.0	39.0	39.0	45.0	40.0	41.0		
	Street Light		1,742.0	1,831.0	2,502.0	2,321.0	1,981.0	1,960.0		
	Power Supply		72,297.0	29,837.0	16,462.0	56,906.0	62,149.0	14,396.0		
	TOTAL		100,605.0	54,525.0	52,711.0	91,426.0	89,948.0	43,676.0		
	<p>FUNDING SOURCE EXPLANATION</p> <p>All available cash (Utility Revenues) will be used first for funding generation projects.</p> <p>Revenue Bonds will be used to fund all other projects and the remaining generation projects in excess of available cash.</p>									

(5)	(6)	(7)		(8)	(9)	(10)	(11)					(1)	
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2006-2007 (000's)	PRIOR APPROPRIATIONS		TOTAL CAP COSTS (000's) (5)+(6)+(7)	COMP PLAN CONFORM	STATUS OF PLANS	COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)					PROJ. NO.	
		(000's)	YEAR FS				PRELIM PLANS	FINAL PLANS	LAND ACQUISITION	CONST	EQUIP / FURNISH		OTHER (EXPLAIN)
44,507.0	4,320.0	6,725.0		55,552.0							55,552.0		
36,232.0	797.0	2,482.0		39,511.0							39,511.0		
24,095.0	2,250.0	3,000.0		29,345.0							29,345.0		
63,431.0	None	None		63,431.0							63,431.0		
242.0	None	None		242.0							242.0		
12,337.0	None	None		12,337.0							12,337.0		
252,047.0	117,081.0	33,125.0		402,253.0							402,253.0		
=====	=====	=====		=====							=====		
432,891.0	124,448.0	45,332.0		602,671.0							602,671.0		

2001 - 2007 CAPITAL IMPROVEMENT PROGRAM

DIVISION: Transmission

(1)	(2)	(3)	5% Inflation per year (4)					
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)					
			2001-2002 FS	2002-2003 FS	2003-2004 FS	2004-2005 FS	2005-2006 FS	2006-2007 FS
1	35kV: New Construction	B	126.0	126.0	126.0	126.0	131.0	144.0
2	35kV: Rebuild/Other	B	95.0	63.0	63.0	70.0	76.0	101.0
3	35kV: Relocate	B	40.0	40.0	42.0	42.0	29.0	4.0
4	115kV: Rokeby-20th & Pioneers	A	1,285.0					
5	115kV: 19th & Alvo-NW12th & Arbor	A	958.0					
6*	115kV: SVGS Relocation/Connections	A	770.0					
7*	115kV: Sheldon-Rokeby	B						3,795.0
8	115kV: Misc. Construction/Rebuild	B	64.0	67.0	70.0	72.0	75.0	80.0
9*	115kV: NW12th & Arbor-NW68th & Holdrege	B			3,000.0	2,770.0		
10*	115kV: Communication	B	1,445.0	620.0	500.0	500.0	500.0	500.0
11	345kV: Regional Tie	B	700.0	4,200.0	11,450.0	9,490.0		
12	345kV: Other	B		152.0				
=====			=====					
Total Transmission			5,483.0	5,268.0	15,251.0	13,070.0	811.0	4,624.0
* Denotes New Project								

(5)	(6)	(7)		(8)	(9)	(10)	(11)					(12)		
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2006-2007 (000's)	PRIOR APPROPRIATIONS		TOTAL CAP COSTS (000's) (5)+(6)+(7)	COMP PLAN CONFORM	STATUS OF PLANS	COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)					PROJ. NO.		
		(000's)	YEAR FS				PRELIM PLANS	FINAL PLANS	LAND ACQUISITION	CONST	EQUIP / FURNISH		OTHER (EXPLAIN)	
779.0	None	None		779.0		1					779.0			1
468.0	None	None		468.0		1					468.0			2
197.0	None	None		197.0		1					197.0			3
1,285.0	None	None		1,285.0		2					1,285.0			4
958.0	None	2,365.0	2000	3,323.0		4					3,323.0			5
770.0	None	200.0	2000	970.0		2					970.0			6
3,795.0	4,320.0	None		8,115.0		2					8,115.0			7
428.0	None	None		428.0		1					428.0			8
5,770.0	None	None		5,770.0		1					5,770.0			9
4,065.0	None	None		4,065.0		1					4,065.0			10
25,840.0	None	4,160.0	2000	30,000.0		1					30,000.0			11
152.0	None	None		152.0		1					152.0			12
=====	=====	=====	=====	=====							=====			
44,507.0	4,320.0	6,725.0		55,552.0							44,507.0			

2001 - 2007 CAPITAL IMPROVEMENT PROGRAM

DIVISION: Substation

(1) PROJ. NO.	(2) PROJECT TITLE	(3) PROJ. PRIO.	(4) 5% Inflation per year					
			PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)					
			2001-2002 FS	2002-2003 FS	2003-2004 FS	2004-2005 FS	2005-2006 FS	2006-2007 FS
13	35kV: Sub Misc. Construction/Rebuild	B	196.0	71.0	1,085.0	288.0	77.0	90.0
14	35kV: UNL East Campus Substation	A	2,573.0					
15*	115kV: SVGS Substation	A	1,940.0					
16	115kV: 70th & Calvert: Replace Breakers	B	915.0					
17	115kV: 84th & Leighton Rebuild & Transformer	A	290.0					
18	115kV: UNL Substation	B		1,000.0	620.0			
19	115kV: W Lincoln Rebuild & Transformer 1	B	650.0	890.0				
20	115kV: 85th & Hwy 2 Substation	B		1,109.0	741.0			
21	115kV: 27th & Pine Lake #2	B			1,148.0	762.0		
22	115kV: NW 12th & Arbor Substation	A	1,000.0	620.0				
23*	115kV: 19th & Alvo - Add Transformer 1	B				1,188.0	792.0	
24	115kV: 56th & I80 Substation	B					1,235.0	795.0
25*	115kV: 3rd & VanDorn #2	B						1,235.0
26	115kV: Misc. Substation Construction/Rebuild	B	963.0	544.0	663.0	688.0	714.0	749.0
27	161kV: 70th & Bluff - Replace T691	B						2,870.0
28	345kV: NW68 & Holdrege Add Transformer	B				1,000.0	6,120.0	
29	345kV: Misc. Substation Construction/Rebuild	B	25.0	53.0	126.0	131.0	137.0	139.0
Total Substation			8,552.0	4,287.0	4,383.0	4,057.0	9,075.0	5,878.0

(5)	(6)	(7)		(8)	(9)	(10)	(11)					(1)	
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2006-2007 (000's)	PRIOR APPROPRIATIONS		TOTAL CAP COSTS (000's)	COMP PLAN CONFORM	STATUS OF PLANS	COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)					PROJ. NO.	
		(000's)	YEAR FS	(5)+(6)+(7)			PRELIM PLANS	FINAL PLANS	LAND ACQUISITION	CONST	EQUIP / FURNISH		OTHER (EXPLAIN)
1,807.0	None	None		1,807.0		1					1,807.0		13
2,573.0	None	82.0	2000	2,655.0		1					2,573.0		14
1,940.0	None	400.0	2000	2,340.0		4					1,940.0		15
915.0	None	None		915.0		2					915.0		16
290.0	None	2,000.0	2000	2,290.0		2					290.0		17
1,620.0	None	None		1,620.0		2					1,620.0		18
1,540.0	None	None		1,540.0		1					1,540.0		19
1,850.0	None	None		1,850.0		1					1,850.0		20
1,910.0	None	None		1,910.0		1					1,910.0		21
1,620.0	None	None		1,620.0		1					1,620.0		22
1,980.0	None	None		1,980.0		1					1,980.0		23
2,030.0	None	None		2,030.0		1					2,030.0		24
1,235.0	797.0	None		2,032.0		1					1,235.0		25
4,321.0	None	None		4,321.0		1					4,321.0		26
2,870.0	None	None		2,870.0		1					2,870.0		27
7,120.0	None	None		7,120.0		1					7,120.0		28
611.0	None	None		611.0		1					611.0		29
36,232.0	797.0	2,482.0		39,511.0							36,232.0		

## 2001 - 2007 CAPITAL IMPROVEMENT PROGRAM

DIVISION: Overhead &amp; Underground Distribution

(1)	(2)	(3)	5% Inflation per year (4)						
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)						
			2001-2002 FS	2002-2003 FS	2003-2004 FS	2004-2005 FS	2005-2006 FS	2006-2007 FS	
	OVERHEAD DISTRIBUTION								
30	Transformers	B	329.0	341.0	354.0	368.0	382.0	396.0	
31	Meters	B	474.0	506.0	506.0	506.0	525.0	545.0	
32	Extensions	B	298.0	310.0	321.0	333.0	345.0	359.0	
33	Service Area Adjustments: Norris	B	750.0	750.0	750.0	750.0	750.0	750.0	
34	Rebuild/Convert	B	1,105.0	1,149.0	1,195.0	1,240.0	1,288.0	1,340.0	
35	Relocate	B	544.0	564.0	585.0	608.0	632.0	656.0	
36	Feeders & Capacitors	B	226.0	235.0	244.0	253.0	262.0	271.0	
	=====		=====	=====	=====	=====	=====	=====	
	Total Overhead Distribution		3,726.0	3,855.0	3,955.0	4,058.0	4,184.0	4,317.0	
	UNDERGROUND DISTRIBUTION								
37	Transformers	B	1,454.0	1,510.0	1,567.0	1,626.0	1,688.0	1,752.0	
38	Extensions	B	4,084.0	4,240.0	4,401.0	4,568.0	4,742.0	4,924.0	
39	Rebuild/Convert	B	963.0	1,305.0	1,709.0	2,241.0	2,648.0	3,055.0	
40	Relocate	B	976.0	1,013.0	1,051.0	1,091.0	1,132.0	1,173.0	
41	Feeders & Capacitors	B	1,290.0	1,340.0	1,391.0	1,443.0	1,498.0	1,556.0	
	=====		=====	=====	=====	=====	=====	=====	
	Total Underground Distribution		8,767.0	9,408.0	10,119.0	10,969.0	11,708.0	12,460.0	

(5)	(6)	(7)		(8)	(9)	(10)	(11)						(1)	
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2006-2007 (000's)	PRIOR APPROPRIATIONS		TOTAL CAP COSTS (000's) (5)+(6)+(7)	COMP PLAN CONFORM	STATUS OF PLANS	COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)						PROJ. NO.	
		(000's)	YEAR FS				PRELIM PLANS	FINAL PLANS	LAND ACQUISITION	CONST	EQUIP / FURNISH	OTHER (EXPLAIN)		
2,170.0	None	None		2,170.0		1					2,170.0			30
3,062.0	None	None		3,062.0		1					3,062.0			31
1,966.0	None	None		1,966.0		1					1,966.0			32
4,500.0	2,250.0	3,000.0	2000	9,750.0		1					9,750.0			33
7,317.0	None	None		7,317.0		1					7,317.0			34
3,589.0	None	None		3,589.0		1					3,589.0			35
1,491.0	None	None		1,491.0		1					1,491.0			36
=====	=====	=====	=====	=====							=====			
24,095.0	2,250.0	3,000.0		29,345.0							29,345.0			
9,597.0	None	None		9,597.0		1					9,597.0			37
26,959.0	None	None		26,959.0		1					26,959.0			38
11,921.0	None	None		11,921.0		1					11,921.0			39
6,436.0	None	None		6,436.0		1					6,436.0			40
8,518.0	None	None		8,518.0		1					8,518.0			41
=====	=====	=====	=====	=====							=====			
63,431.0				63,431.0							63,431.0			

2001 - 2007 CAPITAL IMPROVEMENT PROGRAM

DIVISION: Waverly & Street Light

(1)	(2)	(3)	5% Inflation per year (4)					
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)					
			2001-2002 FS	2002-2003 FS	2003-2004 FS	2004-2005 FS	2005-2006 FS	2006-2007 FS
	WAVERLY							
42	Overhead Distribution	B	6.0	6.0	6.0	9.0	10.0	10.0
43	Underground Distribution	B	29.0	30.0	30.0	30.0	24.0	25.0
44	Street Lighting	B	3.0	3.0	3.0	6.0	6.0	6.0
	----- Total Waverly		38.0	39.0	39.0	45.0	40.0	41.0
	STREET LIGHT							
45	New Construction	B	497.0	435.0	456.0	425.0	460.0	574.0
46	Ornamental Lighting Districts	B	32.0	32.0	32.0	32.0	32.0	32.0
47	Joint Traffic Signals	B	424.0	386.0	329.0	209.0	215.0	231.0
48	Rebuild	B	364.0	378.0	392.0	407.0	422.0	460.0
49	Relocation	B	392.0	566.0	1,258.0	1,211.0	814.0	623.0
50	Other	B	33.0	34.0	35.0	37.0	38.0	40.0
	----- Total Street Light		1,742.0	1,831.0	2,502.0	2,321.0	1,981.0	1,960.0

(5)	(6)	(7)		(8)	(9)	(10)	(11)						(1)	
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2006-2007 (000's)	PRIOR APPROPRIATIONS		TOTAL CAP COSTS (000's) (5)+(6)+(7)	COMP PLAN CONFORM	STATUS OF PLANS	COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)						PROJ. NO.	
		(000's)	YEAR FS				PRELIM PLANS	FINAL PLANS	LAND ACQUISITION	CONST	EQUIP / FURNISH	OTHER (EXPLAIN)		
47.0	None	None		47.0		1					47.0			42
168.0	None	None		168.0		1					168.0			43
27.0	None	None		27.0		1					27.0			44
===== 242.0				===== 242.0							===== 242.0			
2,847.0	None	None		2,847.0		1					2,847.0			45
192.0	None	None		192.0		1					192.0			46
1,794.0	None	None		1,794.0		1					1,794.0			47
2,423.0	None	None		2,423.0		1					2,423.0			48
4,864.0	None	None		4,864.0		1					4,864.0			49
217.0	None	None		217.0		1					217.0			50
===== 12,337.0				===== 12,337.0							===== 12,337.0			

2001 - 2007 CAPITAL IMPROVEMENT PROGRAM

DIVISION: Power Supply

(1)	(2)	(3)	5% Inflation per year (4)					
PROJ. NO.	PROJECT TITLE	PROJ. PRIO.	PROGRAMMED EXPENDITURES & FUNDING SOURCES (FS) (000's)					
			2001-2002 FS	2002-2003 FS	2003-2004 FS	2004-2005 FS	2005-2006 FS	2006-2007 FS
51	Laramie River Station	B	1,025.0	619.0	1,201.0	1,936.0	1,442.0	1,025.0
52	Misc. Modifications	B	260.0	260.0	312.0	312.0	312.0	312.0
53	Salt Valley Comb.Cycle	B	65,804.0	12,652.0	200.0			
54	Salt Valley Unit #4	B	5,208.0	14,413.0	1,752.0			
55	Peaking Unit #6	B			2,622.0	21,517.0	5,710.0	
56	Renewable No. 3/4	C		1,575.0	525.0	1,050.0		
57	Iatan Power Plant	B		318.0	9,850.0	32,091.0	54,685.0	13,059.0
-----			-----					
	Total Power Supply		72,297.0	29,837.0	16,462.0	56,906.0	62,149.0	14,396.0

(5)	(6)	(7)		(8)	(9)	(10)	(11)					(1)	
TOTAL FOR SIX YEARS (000's)	COST BEYOND 2006-2007 (000's)	PRIOR APPROPRIATIONS		TOTAL CAP COSTS (000's) (5)+(6)+(7)	COMP PLAN CONFORM	STATUS OF PLANS	COST BREAKDOWNS FOR SIX-YEAR EXPENDITURES (000's)					PROJ. NO.	
		(000's)	YEAR FS				PRELIM PLANS	FINAL PLANS	LAND ACQUISITION	CONST	EQUIP / FURNISH		OTHER (EXPLAIN)
7,248.0	None	None		7,248.0		2					7,248.0		51
1,768.0	None	None		1,768.0		2					1,768.0		52
78,656.0	None	27,935.0	2000	106,591.0		4					78,656.0		53
21,373.0	None	5,190.0	2000	26,563.0		2					21,373.0		54
29,849.0	None	None		29,849.0		1					29,849.0		55
3,150.0	None	None		3,150.0		1					3,150.0		56
110,003.0	117,081.0	None		227,084.0		1					227,084.0		57
=====	=====	=====	=====	=====							=====		
252,047.0	117,081.0	33,125.0		402,253.0							369,128.0		